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## PATENT ABSTRACTS OF JAPAN

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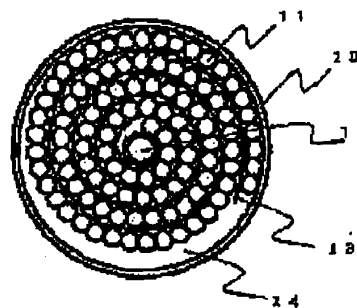
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### (54) MANUFACTURE OF BIOPOLYMER ARRANGED SHEET

#### (57)Abstract:

**PROBLEM TO BE SOLVED:** To manufacture a plurality of sheets easily and with good reproducibility by a method wherein respective arrangement elements are fixed to linear supports, they are arranged to a desired shape, their bundle is sliced and a biopolymer arranged sheet is manufactured.

**SOLUTION:** A surface treatment which is used to couple DNA is executed to inner walls of all capillary glass tubes 11, and the DNA having a prescribed base sequence is coupled to the respective capillary glass tubes 11. In addition, the capillary glass tubes 11 into which the DNA is introduced are arranged on an adhesive winding sheet 13. The sheet 13 is wound while a central pipe 12 is used as a shaft. At a stage at which all the capillary glass tubes 11 are wound, they are put into an outside pipe 10, and a filler 14 such as a two- component epoxy filler or the like is injected into gaps so as to be hardened. The center of the central pipe 12 is set so as to agree with the center of the outside pipe 10. A rod-shaped rod which is created in this manner is sliced to be thin by using a device such as a slicer or the like which uses a whetstone disk, and a DNA sheet is manufactured.



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